

# INTERNATIONAL SEARCH REPORT

International Application No.  
PCT/GB2004/004747

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C11D3/39 C11D17/04 C11D3/18 C11D3/37 C11D17/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C11D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 328 489 A (BEAUJEAN HANS-JOSEF ET AL) 12 July 1994 (1994-07-12) column 1, line 43 - line 45; claims 1-3,10; example 7	1-6,8, 15-19
X	US 5 783 657 A (PAVLIN ET AL) 21 July 1998 (1998-07-21)	22-26
Y	column 2, line 10 - line 19; claims 1,12-18; examples 13,14,24	18-21
Y	US 6 228 825 B1 (FIORE MELISSA ET AL) 8 May 2001 (2001-05-08) column 3, line 51 - line 66; claims 1,2; example 1 column 2, line 9 - line 17	18-21

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

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\*P\* document published prior to the international filing date but later than the priority date claimed

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Date of the actual completion of the international search

1 April 2005

Date of mailing of the international search report

12/04/2005

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5328489	A	12-07-1994	DE 4030850 A1 02-04-1992
			AT 124717 T 15-07-1995
			DE 59105943 D1 10-08-1995
			WO 9206166 A1 16-04-1992
			EP 0550481 A1 14-07-1993
			ES 2073768 T3 16-08-1995
			JP 3004719 B2 31-01-2000
			JP 6501278 T 10-02-1994
US 5783657	A	21-07-1998	AU 727433 B2 14-12-2000
			AU 5091998 A 15-05-1998
			AU 727577 B2 14-12-2000
			AU 5147098 A 15-05-1998
			BR 9712342 A 31-10-2000
			CA 2268452 A1 30-04-1998
			CA 2268474 A1 30-04-1998
			CN 1238678 A 15-12-1999
			DE 69730144 D1 09-09-2004
			EP 0939782 A1 08-09-1999
			EP 1027032 A1 16-08-2000
			JP 2002516619 T 04-06-2002
			JP 2001502742 T 27-02-2001
			KR 2000049273 A 25-07-2000
			TW 385321 B 21-03-2000
			US 5998570 A 07-12-1999
			WO 9817243 A1 30-04-1998
			WO 9817705 A1 30-04-1998
			US 6169160 B1 02-01-2001
			US 6242509 B1 05-06-2001
			US 6111055 A 29-08-2000
US 6228825	B1	08-05-2001	US 6303553 B1 16-10-2001